

Claims:

1. A light-sensitive composition which comprises a polymer comprising a carboxyl group and a polymerizable double bond at the side chain, an organic borate salt, and a hindered amine compound or a protonic acid captor.

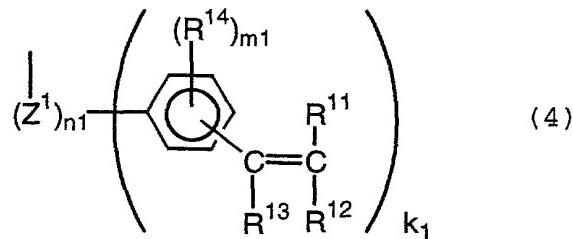
5 2. The light-sensitive composition according to Claim 1, wherein
the composition further comprises an ethylenically unsaturated
10 compound.

15 3. The light-sensitive composition according to Claim 2, wherein
the ethylenically unsaturated compound is a polymerizable
molecule.

4. The light-sensitive composition according to Claim 3, wherein
the polymerizable compound is a monomer or an oligomer.

20 5. The light-sensitive composition according to Claim 1, wherein
the polymer is a polymer having a phenyl group to which a vinyl
group is substituted at the side chain.

25 6. The light-sensitive composition according to Claim 1, wherein
the polymer is a polymer having a group represented by the
following formula (4):

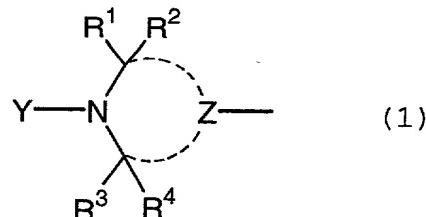


wherein Z¹ represents a linking group; R¹¹, R¹² and R¹³ each represent a hydrogen atom, a halogen atom, a carboxyl group, a sulfo group, a nitro group, a cyano group, an amide group, an amino group, an alkyl group, an aryl group, an alkoxy

group or an aryloxy group; R¹⁴ is a substitutable group or atom; n₁ is 0 or 1; m₁ is an integer of 0 to 4; and k₁ is an integer of 1 to 4,
at the side chain.

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7. The light-sensitive composition according to Claim 1, wherein the hindered amine compound is a compound having at least one structural unit represented by the following formula (1):

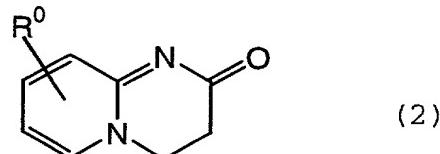


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wherein R¹, R², R³ and R⁴ each represent a hydrogen atom, an alkyl group or an aryl group; Z represents an atomic group necessary for forming a nitrogen-containing aliphatic ring; Y represents a hydrogen atom, an alkyl group or an organic residue; among R¹ and R², or among R³ and R⁴, one of which may be incorporated into Z and provide a double bond.

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20 8. The light-sensitive composition according to Claim 1, wherein the protonic acid captor is a compound which is capable of forming a difficultly soluble salt by bonding to the protonic acid.

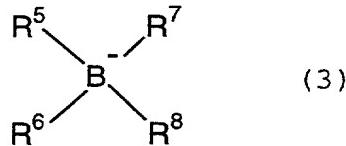
25 9. The light-sensitive composition according to Claim 1, wherein the protonic acid captor is a compound represented by the following formula (2):



wherein R⁰ represents a hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted aryl group, a carboxyamide group, a hydroxyl group or a

condensed ring.

10. The light-sensitive composition according to Claim 1, wherein
the organic borate salt is a compound having an organic boron
anion represented by the following formula (3):
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wherein R⁵, R⁶, R⁷ and R⁸ each represent an alkyl group, an aryl group, an aralkyl group, an alkenyl group, an alkynyl group, a cycloalkyl group or a heterocyclic group.

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11. The light-sensitive composition according to Claim 1, wherein
the composition further comprises a sensitizing dye which
sensitizes the organic borate salt at a wavelength region of
380 nm to 1300 nm.
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12. The light-sensitive composition according to Claim 1, wherein
the composition further comprises a sensitizing dye which
sensitizes the organic borate salt at a wavelength region of
380 nm to 410 nm.
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13. The light-sensitive composition according to Claim 1, wherein
the composition further comprises a sensitizing dye which
sensitizes the organic borate salt at a wavelength region of
750 nm or longer.
25
14. The light-sensitive composition according to Claim 1, wherein
the composition further comprises a trihaloalkyl-substituted
compound.
30 15. The light-sensitive composition according to Claim 14,
wherein the trihaloalkyl-substituted compound is a nitrogen-
containing heterocyclic compound having a trihalomethyl group
or a trihalomethylsulfonyl compound.

16. A lithographic printing plate which comprises an aluminum plate and a light-sensitive layer comprising the light-sensitive composition according to Claim 1.